=> file caplus
FILE 'CAPLUS' ENTERED AT 14:15:35 ON 13 JUL 2006

FILE COVERS 1907 - 13 Jul 2006 VOL 145 ISS 3
FILE LAST UPDATED: 12 Jul 2006 (20060712/ED)

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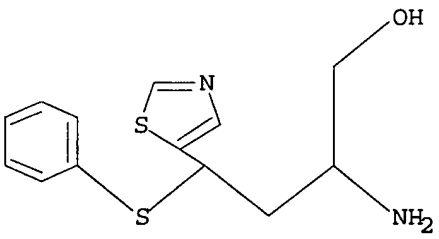
=> d que
L1 STR



Structure attributes must be viewed using STN Express query preparation.
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L4 1 SEA FILE=CAPLUS L3

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:412927 CAPLUS
DOCUMENT NUMBER: 140:423666
TITLE: A preparation of antiinflammatory 3-arylthio-3-thiazolyl-alkylamine derivatives
INVENTOR(S): Stonehouse, Jeffrey
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041794	A1	20040521	WO 2003-SE1712	20031106

WO 2004041794														C1	20050310
W:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,
	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,
	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW	
RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
	KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
	BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG

AU 2003278667	A1	20040607	AU 2003-278667			20031106
EP 1562920	A1	20050817	EP 2003-770201			20031106
EP 1562920	B1	20060628				
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,					
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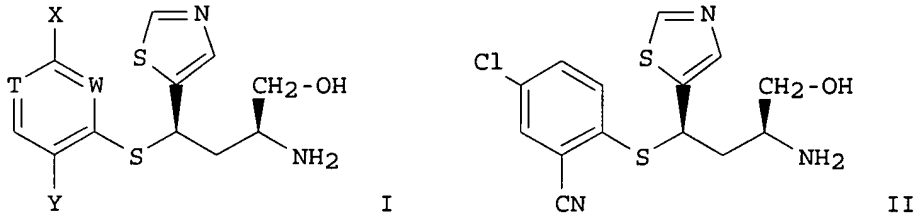
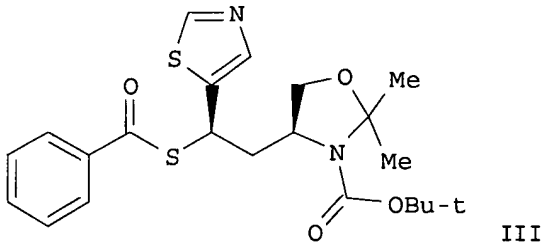
JP 2006506414	T2	20060223	JP 2004-549780			20031106
US 2006040992	A1	20060223	US 2005-534191			20050506
PRIORITY APPLN. INFO.:			SE 2002-3304		A	20021107
			WO 2003-SE1712		W	20031106

OTHER SOURCE(S): MARPAT 140:423666

GI





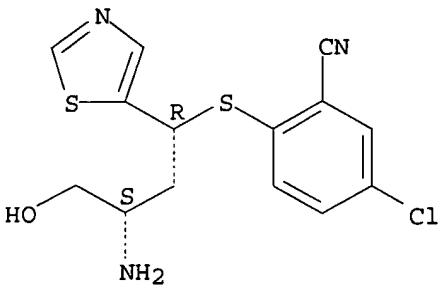
AB The invention relates to 3-arylthio-3-thiazolyl-alkylamine derivs. of formula I [wherein: T and W independently represent CR1 or N, when more than one R1 group is present, each may be selected independently; X and R1 independently represent H, C1-4alkyl, halogen, CN, or C.tplbond.CH, etc.; Y is C1-4alkyl, C1-4alkoxy, halogen, CN, NO2, or CHO, etc.], useful as antiinflammatory agents. The compds. are inhibitors of nitric oxide synthase and are thereby particularly useful in the treatment or prophylaxis of inflammatory disease and pain. For instance, arylthio(thiazolyl)alkylamine derivative II (nitric oxide synthase inhibition IC50 < 100 μM) was prepared via reaction of thiazole derivative III with 5-chloro-2-fluorobenzonitrile, and subsequent hydrolysis of the obtained product (example 5, no yield data).

IT 691010-03-4 691010-05-6 691010-28-3
691010-31-8 691010-33-0 691010-49-8

RL: PAC (Pharmacological activity); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(preparation of antiinflammatory arylthio(thiazolyl)alkylamine derivs.)

RN 691010-03-4 CAPLUS
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-5-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

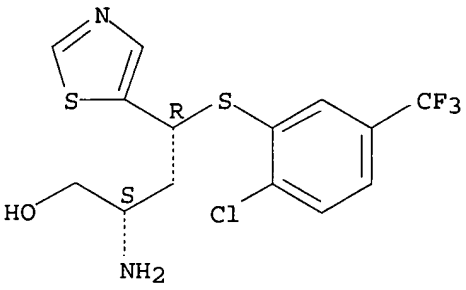
Absolute stereochemistry.



●2 HCl

RN 691010-05-6 CAPLUS
CN 5-Thiazolebutanol, β-amino-δ-[[2-chloro-5-(trifluoromethyl)phenyl]thio]-, monohydrochloride, (βS,δR)- (9CI) (CA INDEX NAME)

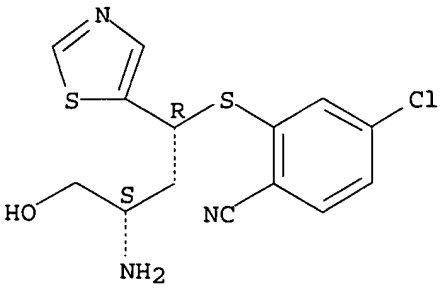
Absolute stereochemistry.



● HCl

RN 691010-28-3 CAPLUS
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-4-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

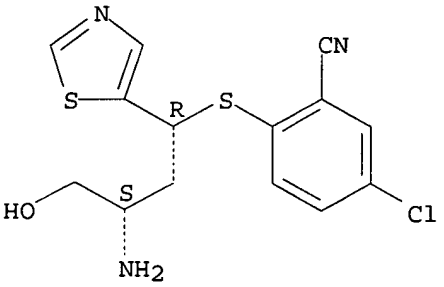
Absolute stereochemistry.



●2 HCl

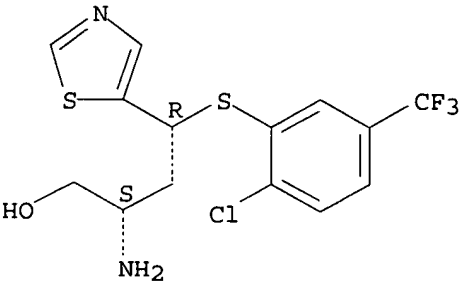
RN 691010-31-8 CAPLUS
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



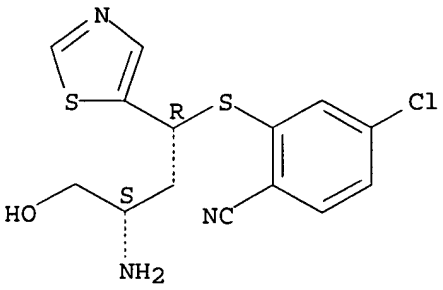
RN 691010-33-0 CAPLUS
CN 5-Thiazolebutanol, β-amino-δ-[[2-chloro-5-(trifluoromethyl)phenyl]thio]-, (βS,δR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 691010-49-8 CAPLUS
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-4-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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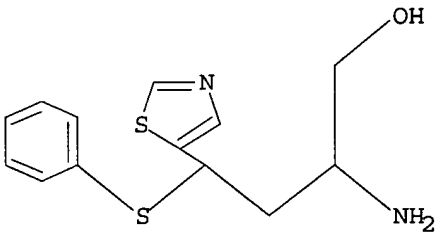

Structure attributes must be viewed using STN Express query preparation.
L3 6 SEA FILE=REGISTRY SSS FUL L1
L5 1 SEA L3

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L5 ANSWER 1 OF 1 USPATFULL on STN
ACCESSION NUMBER: 2006:47518 USPATFULL
TITLE: Antiinflammatory 3-arylthio-3-thiazolyl-alkylamines
INVENTOR(S): Stonehouse, Jeffrey, AstraZeneca, R?amp;D Charnwood, Bakewell Road, Loughborough, Leicestershire, UNITED KINGDOM LE11 5RH
PATENT ASSIGNEE(S): AstraZeneca AB, Sodertalje, SWEDEN, SE-151 85 (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2006040992	A1	20060223	
APPLICATION INFO.:	US 2003-534191	A1	20031106	(10)
	WO 2003-SE1712		20031106	
			20050506	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2002-3304	20021107

DOCUMENT TYPE: Utility

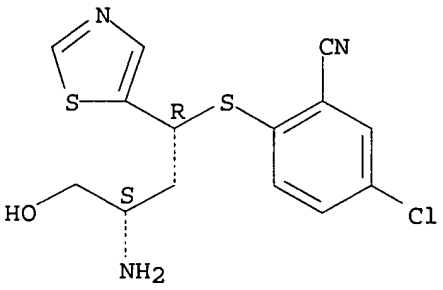
10/534,191

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FISH & RICHARDSON P.C., P.O BOX 1022, MINNEAPOLIS, MN, 55440-1022, US
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 709
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There are provided novel compounds of formula (I) wherein T, X, Y and W are as defined in the specification, and pharmaceutically acceptable salts thereof, and enantiomers and racemates thereof; together with processes for their preparation, compositions containing them and their use in therapy. The compounds are inhibitors of nitric oxide synthase and are thereby particularly useful in the treatment or prophylaxis of inflammatory disease and pain. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 691010-03-4 691010-05-6 691010-28-3
691010-31-8 691010-33-0 691010-49-8
(preparation of antiinflammatory arylthio(thiazolyl)alkylamine derivs.)
RN 691010-03-4 USPATFULL
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-5-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

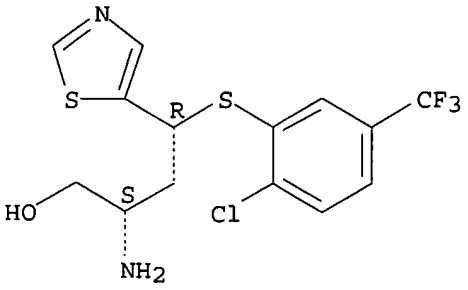
Absolute stereochemistry.



●2 HCl

RN 691010-05-6 USPATFULL
CN 5-Thiazolebutanol, β-amino-δ-[[2-chloro-5-(trifluoromethyl)phenyl]thio]-, monohydrochloride, (βS,δR)-(9CI) (CA INDEX NAME)

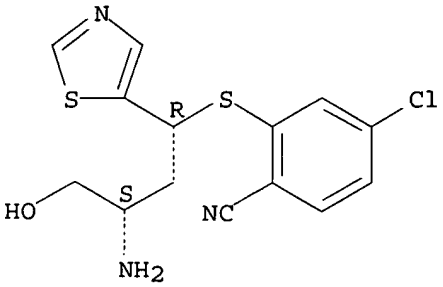
Absolute stereochemistry.



● HCl

RN 691010-28-3 USPATFULL
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-4-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

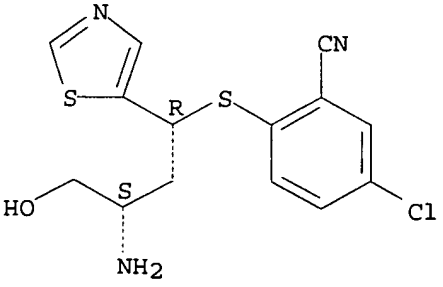
Absolute stereochemistry.



●2 HCl

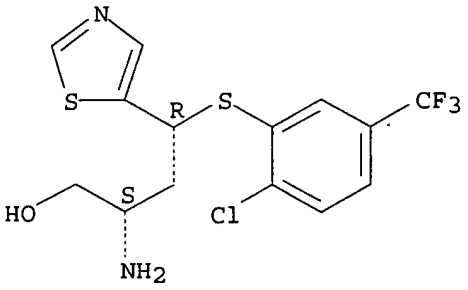
RN 691010-31-8 USPATFULL
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



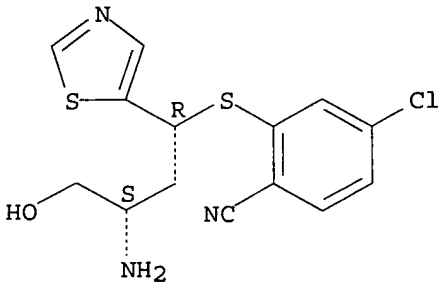
RN 691010-33-0 USPATFULL
CN 5-Thiazolebutanol, β-amino-δ-[[2-chloro-5-(trifluoromethyl)phenyl]thio]-, (βS,δR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 691010-49-8 USPATFULL
CN Benzonitrile, 2-[[(1R,3S)-3-amino-4-hydroxy-1-(5-thiazolyl)butyl]thio]-4-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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